

ABSTRACT

An in-ground lifting system and method are provided that is operable for raising a structure and its foundation at least several feet. In one presently preferred embodiment, the method is utilized to raise the structure above any anticipated flood levels to thereby prevent future flooding of the structure. In a preferred embodiment, a plurality of excavations are formed underneath the foundation, such as with a hydro-excavator. A sleeve with seal members and hydraulic lines is installed and aligned within each excavation. Hardenable material is poured outside the sleeve to form a cylinder. Hardenable material is poured inside the sleeve to form a piston. Fluid is pumped through the hydraulic lines to lift the structure and the foundation.